

**Notice of Allowability**

Application No.

10/074,030

Examiner

Tuan A. Vu

Applicant(s)

APPLIN ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/2/2006.
2. ☒ The allowed claim(s) is/are 1-16, 18-21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                 |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>4/28/06</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                        |
|   | 9. <input type="checkbox"/> Other _____   |

### DETAILED ACTION

1. This action is responsive to the Applicant's response filed 2/02/2006.

As indicated in Applicant's response, claims 1-4, 7-12, 15-16, and 18-21 have been amended, claim 17 canceled. Claims 1-16, 18-21 are pending in the office action.

### EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Steve Perry, Reg # 45,357 on 4/28/06.

The application has been amended as follows.

In the CLAIMS:

#### Claim 1:

A method for verifying a version for each of a plurality of object code files in a computer program at runtime, the method comprising steps of:

defining a version checking object that is configured to include a dynamically referred to version for the object code file into the version checking object using a pre-processor prior to compilation;

instantiating a copy of the version checking object at runtime within the object code files;

storing the version for the object code file in the version checking object when the version checking object is instantiated;

identifying a version stored in the version checking object of a selected object code file of the plurality of object code files included in the computer program;

comparing the version of the selected object code file with a version of each of the remaining object code files of the plurality of object code files when the computer program is executed; and

generating an alert in response to the version of the selected object code file being different than one or more versions of the remaining object code files.

**Claim 9:**

A computer readable medium on which is embedded a program, the program performing a method for verifying a version for each of a plurality of object code files in a computer program, ~~the method~~ comprising steps of computer readable program code for:

defining a version checking object that is configured to include a dynamically referred to version for the object code file into the version checking object using a pre-processor prior to compilation;

instantiating a copy of the version checking object at runtime for the object code files;

storing the version of the object code file in the version checking object when the version checking object is instantiated;

identifying a version that is stored in the version checking object of a selected object code file of the plurality of object code files included in the computer program;

comparing the version of the selected object code file with a version of each of the remaining object code files of the plurality of object code files when the computer program is executed; and

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generating an alert in response to the version of the selected object code file being different than the one or more versions of the remaining object code files.

**Claim 18:**

An computer-implemented apparatus comprising:

means for defining a version checking object that is configured to include a dynamically referred to version of the object code file into the version checking object using a pre-processor prior to compilation;

means for instantiating a copy of the version checking object at runtime for the object code files;

means for storing the version of the object code file in the version checking object when the version checking object is instantiated;

means for identifying a version that is stored in the version checking object of a selected object code file of a plurality of object code files included in a computer program;

means for comparing the version of the selected object code file with a version of each of the remaining object code files of the plurality of object code files when the computer program is executed; and

means for generating an alert in response to the version of the selected object code file being different than one or more versions of the remaining object code files.

***EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE***

3. Claims 1-16, and 18-21 are allowed.

The following is an examiner's statement of reasons for allowance.

The prior art taken separately or jointly does not suggest or teach the following features.

A method or computer product implemented in computer program instructions for verifying the version of a plurality of object files of a program at runtime, comprising (i) defining a version checking object that is configured to hard code a version for the object code file into the version checking object using a pre-processor prior to compilation and instantiating a copy of the version checking object at runtime for the object code files; (ii) identifying a version that is stored in the version checking object of a selected object code file of the plurality of object code files included in the computer program; comparing the version of the selected object code file with a version of each of the remaining object code files of the plurality of object code files when the computer program is executed; and generating an alert in response to the version of the selected object code file being different than the one or more versions of the remaining object code files; as recited in claims 1, 9, and 18.

**Ching**, USPN: 6,560,620, teaches checking version of documents from a selected list for a telecommunication-related user's request; but fails to teach or suggest object files in the context comprising the creation of a instantiated version checking code object with embedded therein a version of a object file of a program according the instantiation as recited as in (i) in order to perform a runtime check the correctness of the plurality of object files using the version checking object as in (ii) to yield an runtime error in case of version discrepancy.

**Leblang**, USPN: 5,649,200, teaches a developer's tool to merge different version files being stored wherein the object files are compared to match content differences for repository synchronization; hence fails to teach or suggest the creation of a instantiated version checking object with embedded version information of a plurality of object files for runtime checking as set forth in (i) and (ii).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### *Conclusion*

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan A Vu whose telephone number is (272) 272-3735. The examiner can normally be reached on 8AM-4:30PM/Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571)272-3719.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-3735 ( for non-official correspondence – please consult Examiner before using) or 571-273-8300 ( for official correspondence) or redirected to customer service at 571-272-3609.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


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April 29, 2006

  
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